



R04-21-A-057

September 9, 2020

Environmental Protection Agency
1200 Pennsylvania Ave., N.W.
Washington D.C.

City of Chattanooga

Mayor Andy Berke

Subject: **FY 2020 EPA Community-Wide Assessment Grant Proposal-City of Chattanooga**

Dear Sir or Madam,

The City of Chattanooga is applying for a \$300,000 EPA Brownfield Community-Wide Assessment Grant for multiple sites Chattanooga. We thank you for considering our application for brownfield assessment funding and look forward to working with EPA in the future.

GRANT SPECIFICS

- 1) **Application Identification:**
City of Chattanooga-Department of Economic and Community Development
- 2) **Funding Requested:**
 - a. Grant Type: Community-Wide Assessment
 - b. Federal Funds Requested
 - i. \$300,000
 - ii. City of Chattanooga **not** requesting waiver
 - c. Contamination: Hazardous Substances
- 3) **Location:** a) Chattanooga, TN b) Hamilton County c) Tennessee
- 4) **Property Name and Address:** Community-Wide, so section not applicable
- 5) **Contacts:**
 - a) **Project Director:** Sam Saieed
Assistant Director of Community Development
Southeast Tennessee Development District- (*Contract Grant Administrator for City*)
P.O. Box 4757
Chattanooga, TN 37405-4757
Phone: (423) 424-4269
ssaieed@sedev.org
 - b) **Chief Executive:** The Honorable Mayor Andy Berke
City of Chattanooga
101 East 11th Street
Chattanooga, TN 37402
Phone: (423) 643-7800
mayor@chattanooga.gov
- 6) **City of Chattanooga Population:** 179,139 (2019 ACS Estimate)
- 7) **Special Considerations Checklist:** Find attached in Appendix.
- 8) **Letter from the State or Tribal Environmental Authority:** Find attached in Appendix.

Best regards,

Andy Berke
Mayor, City of Chattanooga

OTHER FACTORS CHECKLIST

Other Factors	Page #
Community population is 10,000 or less.	No
The applicant is, or will assist, a federally recognized Indian tribe or United States territory.	No
The priority brownfield site(s) is impacted by mine-scarred land.	No
The priority site(s) is adjacent to a body of water (i.e., the border of the priority site(s) is contiguous or partially contiguous to the body of water, or would be contiguous or partially contiguous with a body of water but for a street, road, or other public thoroughfare separating them).	Yes, Page 2
The priority site(s) is in a federally designated flood plain.	Yes, Page 2
The redevelopment of the priority site(s) will facilitate renewable energy from wind, solar, or geothermal energy; or any energy efficiency improvement projects.	No
30% or more of the overall project budget will be spent on eligible reuse planning activities for priority brownfield site(s) within the target area.	No



TENNESSEE DEPARTMENT OF ENVIRONMENT & CONSERVATION
DIVISION OF REMEDIATION
WILLIAM R. SNODGRASS TENNESSEE TOWER
312 ROSA L. PARKS AVENUE, 14TH FLOOR
NASHVILLE, TENNESSEE 37243

August 20, 2020

Dwan Austin
Brownfields Coordinator
City of Chattanooga
101 E. 11th Street
Chattanooga, TN 37402

Re: State Letter of Acknowledgement for the City of Chattanooga Brownfields Assessment Grant Application

Dear Ms. Austin,

The Tennessee Department of Environment and Conservation (TDEC) is pleased to acknowledge your efforts to apply for a \$300,000 US Environmental Protection Agency (EPA) Brownfields Community Wide Assessment Grant.

Since many brownfields are abandoned, underutilized, and/or contaminated, TDEC is expressly interested in seeing cities in our state take the initiative to return these sites to productive uses. These efforts are consistent with our mission to enhance the quality of life for citizens of Tennessee and to be stewards of our natural environment. In cooperation with Region 4 EPA, the TDEC brownfields staff will provide technical support and oversight for your grant.

We greatly appreciate your efforts to address brownfields in your city!

Sincerely,

A handwritten signature in black ink that reads "Paula Middlebrooks". The signature is written in a cursive, flowing style.

Paula Middlebrooks
State of Tennessee Brownfields Redevelopment Program
Tennessee Department of Environment and Conservation

1. PROJECT AREA DESCRIPTION AND PLANS FOR REVITALIZATION

a. Targeted Area and Brownfields

i. Background and Description of Target Area - The target area of this Community-Wide Assessment Grant is *East Chattanooga*, which is one of the largest economically disadvantaged (74% Low-to-Moderate Income) and majority African American population areas (97%) the Chattanooga region. *East Chattanooga* (a census designated place contained entirely within the City of Chattanooga), is 6,431 acres and 15 square miles. The prevalence of brownfields in East Chattanooga is an environmental justice issue, which disproportionately affects poorer African American neighborhoods. The goal of this project is the assessment of blighted brownfields properties, which will lead to future remediation and housing redevelopment opportunities for East Chattanooga's residents.

In the early 1900's, many of Chattanooga's existing and new industries began to move away from the city's central business district eastward, towards Missionary Ridge (an escarpment 10 miles east of the central business district). These first-ring 1920's suburbs were annexed by the City of Chattanooga in 1925. The industries and neighborhoods that housed the workforce in East Chattanooga grew from the 1920's until the late 1960's. East Chattanooga started to develop an industrial base around the railroad, with textile mills, foundries, manufacturing and railroad maintenance facilities, that provided employment to thousands. The East Chattanooga area had a prolific number of heavy manufacturers, including steel foundries, metal fabrication, smelting plants, tanneries, chemical manufacturers, and textile mills. Over the years, Chattanooga's economy had developed much like other leading manufacturing cities, being almost-wholly dependent on major industry for most employment opportunities.

However, economic factors both specific to the industries and the worldwide economic changes caused a downturn in East Chattanooga's industrial economy in the 1970's. The project target area in East Chattanooga suffered some of the city's worst disinvestment, due to the closure of the area's industries. **Approximately 10,000 industrial jobs were lost between the 1970's and 1990's in the area, and there were massive layoffs, cutbacks, and company closings.** These layoffs include major job losses at the Combustion Engineering (6,000 jobs losses), Wheeland Foundry (1,130 job losses), U.S. Pipe (345 job losses), Chattanooga Coke and Chemical Company (700 job losses), Ross-Meehan Foundry (500 job losses), Scholze Tannery (400 job losses), Velsicol Chemical (450 job losses), and Chris-Craft Boat Company (425 job losses). Many of the East Chattanooga residents lost jobs and many of the homeowners (who were aging) lacked the means to maintain their homes. In addition, environmental issues surfaced caused by the previous manufacturing left environmental justice concerns, with the negative environmental conditions disproportionately affecting the majority African American population of East Chattanooga. These negative environmental and economic impacts severely crippled the once-thriving neighborhood. These closures devastated the population, causing a severe uptick in poverty and unemployment. These shuttered factories also brought negative environmental consequences to the area. The top 4 priority sites for assessment in this grant application were selected, based on direct community interest, and will be described in the subsequent section. The four properties listed below are representative of the economic and environmental degradation that has occurred in East Chattanooga. The City of Chattanooga will assess, remediate, and redevelop these brownfield properties, with this EPA grant being a critical step in the process.

ii. Description of the Priority Brownfield Sites - Through the City of Chattanooga Community and Economic Development department's interaction with the East Chattanooga neighborhood associations, property owners, and community leaders, the city has been able to identify and prioritize the brownfield sites that are the greatest environmental threat and sites with the greatest redevelopment potential in East Chattanooga's economically disadvantaged neighborhoods. Throughout 2018 and 2019, city staff attended all of East Chattanooga's monthly neighborhood association meetings, to better reach out to the community and understand which blighted properties were most environmentally harmful to the community and which sites had redevelopment potential. Based on the public input from these neighborhood association meetings, the City of Chattanooga has identified 4 sites for immediate assessment work once the project commences. The City of Chattanooga believes the assessments of these 4 targeted sites in East Chattanooga will lead to reinvestment and redevelopment in East Chattanooga and the city as a whole. The city's top 4 priority sites are as follows:

1) The Old Ridgedale R.L. Stowe Mercerizing Mill (in the Ridgedale neighborhood in East Chattanooga) served as one of the largest employers in Chattanooga from the 1920's until the factory's closure in 2003. The 5.1-acre former mercerizing mill is currently zoned industrial, but the site owners have applied for a rezoning. The site has had a historical industrial land use and the site has been prioritized by the Chattanooga Brownfield Task Force as one of the top sites for remediation and redevelopment. The former mill's façade is in good condition, and the historical structure is mostly able to be adaptively re-

used. The site is located in the Ridgedale neighborhood of East Chattanooga, which is 86% Low-Income and 68% minority (*per EPA EJ Mapper*). Local grassroots developers have purchased the property, but are in need of a Phase II assessment, in order to secure additional financing for the property's redevelopment. The Phase I documented groundwater impact from solvent-based compounds and documented the presence of foundry sand fill. A phase I has been completed, but the prohibitive cost of the Phase II and potential remediation has created challenges for the owners of the site. The developers have drafted plans for the redevelopment of the facility that will have approximately 50 affordable housing units with first floor commercial opportunities.

2) The Old 12th Street Chattanooga Shale Quarry-This city-owned site has a long history of environmental contamination. The site began the 20th century as a shale quarry, for the manufacturing of bricks and operated from the early 1900's until the 1960's. In limited sampling that has been done since the 1960's, Volatile Organic Compounds (VOC's) have been identified onsite. The City of Chattanooga eventually was able to purchase the site in 2013, after performing the required due diligence with a Phase I Report. The 9.7 acre former quarry is currently zoned Mixed-Use, so the proposed re-use of housing fits perfectly. There are currently no structures left on the property. The site sits near the old "Onion Bottom" neighborhood in Chattanooga, which was filled with tenement housing in the early 20th Century. The Chattanooga Community Kitchen (a large temporary housing site and meal location for homeless individuals) has been located near this site since the 1980's. Unfortunately, the area's homeless population was too large to fit into the Community Kitchen's limited overnight space. So, a homeless camp or "tent city" was set up by homeless individuals on this site in 2016. The city realized that this was a dangerous situation for these homeless individuals and acted to clear the site of people, while trying to find other housing options for these individuals. The City of Chattanooga wishes to transform this site from a contaminated community hazard into affordable housing for Veterans and homeless Veterans. The site has had a historical industrial land use and the site has been prioritized by the Chattanooga Brownfield Task Force as one of the top sites for remediation and redevelopment.

3) 401 MLK Blvd.-Old Dry Cleaners -The 1,176 square foot building at 401 East MLK Blvd. previously held a dry cleaners from the 1970 until the early 2000's. Previous site reconnaissance has shown this site to contain numerous VOC's. This site is contiguous to the MLK and Highland Park neighborhoods of East Chattanooga. This property presents a unique opportunity for the City of Chattanooga and other stakeholders. With a Phase I/II ESA being the first steps to pursuing remediation, this site can be transformed from an environmental hazard into a quality mixed use development, with an affordable housing component. The site is currently zoned Mixed-Use, so the proposed re-use of housing fits perfectly. The site has had a historical dry cleaner and other commercial land use, and the site has been prioritized by the Chattanooga Brownfield Task Force as one of the top sites for remediation and redevelopment.

4) The Old Broad Street Machine Company- The Old Broad Street Machine company site contains a 30,000 square ft. former carpet tufting machine factory that operated from the early 1940's until the 1990's. Prospective redevelopers have purchased the property, but are in need of a Phase II Environmental Site Assessment. A previous Phase I documented hazardous materials-impacted soils, floor drains and other recognized environmental conditions, based on the previous land uses. The prospective developers have conducted brownfield area planning, within the neighborhood, and the community is in favor of a mixed-use redevelopment featuring first-floor commercial and upper floor residential. The site is currently zoned Mixed-Use, so the proposed re-use of housing conforms to the current zoning. The site has had a historical industrial land use and the site has been prioritized by the Chattanooga Brownfield Task Force as one of the top sites for remediation and redevelopment.

b. Revitalization of the Target Area

i. Reuse Strategy and Alignment with Revitalization Plans

Site Name	Site Description	Problem/ Reuse and Redevelopment	Reuse Strategy and Alignment with Revitalization Plans
<u>1) Old R.L. Stowe Mercerizing Plant-Ridgedale</u>	Old Mercerizing Plant	-Suspected VOC's, Metals, PCBs -Proposed commercial & affordable housing reuse	Property Owners are proposing 50 affordable housing units and 10 retail locations (approximately 500 jobs created), and 5 rent-controlled spaces for community non-profits. Prospective developers have begun working with housing planning consultants to develop site plans, cost estimates and a funding strategy for the site's affordable housing redevelopment.
<u>2) Old 12th Street Chattanooga Brick Quarry</u>	Old Brick Quarry	-Suspected VOC's, Metals -Proposed affordable housing for homeless Veterans	This site was prioritized as an ideal site for Veterans and Homeless Veterans Housing in the East Chattanooga Area Plan. The City of Chattanooga has begun working with housing planning consultants to develop site plans, cost

			estimates and a funding strategy for the site's affordable housing redevelopment. The planned Affordable Housing Project will house 100 Veterans and Homeless Veterans in 1-bedroom apartments.
<u>3) 401 MLK Blvd.-Old Dry Cleaners</u>	Old Dry Cleaner	-Suspected VOC's -Proposed mixed-use reuse	This site was prioritized as an ideal site for Affordable in the East Chattanooga Area Plan. Prospective developers have begun working with housing planning consultants to develop site plans, cost estimates and a funding strategy for the site's affordable housing redevelopment. The planned housing redevelopment includes 16 affordable housing units.
<u>4) Old Broad Street Machine Company</u>	Old Carpet Tufting Machine Factory	-Suspected VOC's, Metals, PCBs -Proposed commercial & affordable housing reuse	This site is featured as a top brownfield redevelopment opportunity in Chattanooga Regional Planning Commission's-Area 3 (East Chattanooga) Comprehensive Plan. A lack of local stores and lack of affordable housing were described by the residents as the top two obstacles in the area. This proposed residential/ commercial project coincides with the community planning efforts.

ii. Outcomes and Benefits of the Redevelopment Strategy

1) The Old Ridgedale R.L. Stowe Mercerizing Mill- The redevelopment of the old R.L. Stowe Mill property will transform the Ridgedale neighborhood by providing 50 affordable housing units and 10 retail locations (approximately 500 jobs created), and 5 rent-controlled spaces for community non-profits. Prospective developers have begun working with housing planning consultants to develop site plans, cost estimates and a funding strategy for the site's affordable housing redevelopment. This site is located in an Opportunity Zone and the prospective developers will be using Opportunity Zones, New Market Tax Credits and Historic Tax Credits as a part of their redevelopment funding strategy. The prospective developers have been working with LEED-Certified Architects, in order to ensure the most energy-efficient design for the adaptive reuse.

2) The Old 12th Street Chattanooga Quarry- Based on neighborhood and city planning efforts, the site was prioritized as an ideal site for Veterans and Homeless Veterans Housing. The City of Chattanooga has begun working with housing planning consultants to develop site plans, cost estimates and a funding strategy for the site's affordable housing redevelopment. The planned Affordable Housing Project will house 100 Veterans and Homeless Veterans in 1-bedroom apartments. The city will ensure that all affordable housing redevelopment is constructed using Energy-Efficient equipment. This site is located in an Opportunity Zone and the prospective developers will be using Opportunity Zones, New Market Tax Credits and Historic Tax Credits as a part of their redevelopment funding strategy. The city has been working with LEED-Certified Architects, in order to ensure the most energy-efficient design for the adaptive reuse.

3) 401 MLK Blvd.-Old Dry Cleaners-The redevelopment of the old dry cleaners at 401 E. MLK Blvd. can transform the MLK and Highland Park neighborhood by providing more affordable housing to area residents, who have been displaced by the closure of the nearby Harriet Tubman Public Housing complex. Prospective developers have begun working with housing planning consultants to develop site plans, cost estimates and a funding strategy for the site's affordable housing redevelopment. The planned housing redevelopment includes 16 affordable housing units and first-floor commercial space. The city and its affordable housing development partners will ensure that all affordable housing redevelopment is constructed using Energy-Efficient equipment. Also, the city will determine if Solar Arrays are feasible to be placed on the roof of the site. This site is located in an Opportunity Zone and the prospective developers will be using Opportunity Zones, New Market Tax Credits and Historic Tax Credits as a part of their redevelopment funding strategy. The city has been working with LEED-Certified Architects, in order to ensure the most energy-efficient design for the adaptive reuse.

4) The Old Broad Street Machine Company- The redevelopment of the old Broad Street Machine property can transform the Oak Grove neighborhood by providing more affordable housing to area residents. Prospective developers have begun working with housing planning consultants to develop site plans, cost estimates and a funding strategy for the site's affordable housing redevelopment. The planned housing redevelopment includes the construction of 30 affordable single-family detached homes. This site is located in an Opportunity Zone and the prospective developers will be using Opportunity Zones, New Market Tax Credits and Historic Tax Credits as a part of their redevelopment funding strategy. The prospective developers have been working with LEED-Certified Architects, in order to ensure the most energy-efficient design for the adaptive reuse.

c. Strategy for Leveraging Resources

i. Resources Needed for Site Reuse

1) Chattanooga- Old Ridgedale R.L. Stowe Yarns Mercerizing Plant- Prospective, grassroots local developers have purchased the property, but they are in need of a Phase II assessment in order to secure additional financing. The prospective developers have drafted plans for the redevelopment of the facility that will have approximately 50 affordable housing units with first floor commercial opportunities. The City of Chattanooga will use HUD-CDBG Money for Housing Redevelopment in the target area and will consider creating TIF District or seeking New Market Tax Credits for redevelopment. This potential redevelopment represents a \$17,000,000 investment in the Ridgedale/ East Chattanooga neighborhood.

2) The Old 12th Street Chattanooga Brick Quarry- The City of Chattanooga acquired the site in the 2013 and performed the necessary Phase I due diligence, prior to acquisition. Based on neighborhood and city planning efforts, the site was prioritized as an ideal site for Veterans and homeless Veterans housing. The City has contracted with a Housing Planning Firm for cost estimates for the proposed housing. The City of Chattanooga will use CDBG and/or EPA Brownfield Cleanup Grant money for the remediation of the site. The City will use Federal Home Loan Bank of Cincinnati, HUD, Tennessee Housing Development Authority, Chattanooga Housing Authority, and Low-Income Housing Tax Credits for the construction of the proposed housing. This potential redevelopment represents a \$3,000,000 investment in the Onion Bottom/ East Chattanooga neighborhood.

3) 401 MLK Blvd.-Old Dry Cleaners-River City Company (an Economic Development 501c3 that works in partnership with the city) acquired the site in the 2015 and performed the necessary Phase I due diligence, prior to acquisition. Prospective developers are in need of a Phase II assessment, in order to secure additional financing. The City of Chattanooga and prospective developers will use HUD-CDBG Money for Housing Redevelopment in target area. Additionally, the developers will seek Low-Income Housing Tax Credits & Opportunity Zone, Historic, and New Market Tax Credits for the development of affordable housing. The proposed redevelopment will alleviate public health threats by assessing and remediating the site.

4) The Old Broad Street Machine Company- Prospective grassroots local developers have purchased the property, but they are in need of a Phase II assessment in order to secure additional financing. The prospective developers have drafted plans for the redevelopment of the facility that will feature affordable housing units with first floor commercial opportunities. The City of Chattanooga will use HUD-CDBG Money for Housing Redevelopment in the target area and will consider creating TIF District or seeking New Market Tax Credits for redevelopment.

ii. Use of Existing Infrastructure- All four of these priority sites will use existing infrastructure including water, sewer, roadways, and multimodal transportation networks. In situations where the old development may be upgraded/redeveloped, reuse can be a catalyst for upgrading sites to meet current infrastructure codes (i.e. improved stormwater retention and water quality efforts). Beyond infrastructure upgrades, no additional infrastructure is needed to be created for these priority sites. All four sites are served by existing Public Transit, through the Chattanooga Area Regional Transportation Authority's (CARTA) Bus Rapid Transit system. All four sites are served from a multimodal transportation perspective, which incorporates both the existing sidewalks and bike lane networks. With the heavy emphasis on housing and commercial redevelopment, it was important for the city to prioritize sites with adequate public and multimodal transportation infrastructure, so that non-automobile users would have equal access to the affordable housing options created by the brownfield redevelopment.

2. COMMUNITY NEED AND COMMUNITY ENGAGEMENT

a. Community Need

i. The Community's Need for Funding- The City of Chattanooga is not in the position to fund the full cost of the assessments, due to several factors that have decimated the city's budget in the past five years. The State of Tennessee has recently eliminated several taxes, such as the Hall Tax and Inheritance Tax. Due to these factors there has been a 23% decrease in State Aid, from the 2015 until 2020. Also, the State of Tennessee has no state income tax, so there are no additional avenues for increased state revenues. Additionally, due to COVID-19, the City has seen a 38% decrease in Sales Tax so far in 2020. All of these factors have hampered the City of Chattanooga's ability to fund the costs of the necessary Environmental Site Assessments. The targeted area for this project (East Chattanooga) has experienced economic fluctuations resulting in multiple abandoned and under-utilized sites in the area. Due to the city's revenue problems, the city

budget is only able to pay for a bare minimum of services. Unfortunately, the city has no budgeted dollars for assessment and remediation of environmentally contaminated projects. The City wishes to use the EPA funding to spur the assessment, remediation, and redevelopment of the brownfield sites. The census tracts of the subject brownfield properties are all located in 90%+ low-income tracts. These neighborhoods do not have the tax base to support redevelopment, without assistance from the EPA and the City of Chattanooga. Revitalization can only happen with assistance from initiatives such as the EPA Brownfields Program, because there is simply not enough tax revenue for these neighborhoods to assess these properties without EPA assistance.

ii. Threats to Sensitive Populations

1) Health or Welfare of Sensitive Populations- Per the *EPA Environmental Justice Mapper*, the priority area census tracts are in the 96th percentile for cancer risk, 94th percentile for air toxics respiratory hazards, 93rd percentile for lead paint indicators, and 99th percentile for Superfund site proximity. The EPA EJ-Viewer also shows that women of child-bearing age in these same census tracts, in the East Chattanooga priority area, are at an elevated risk for low birth weight infants (who go on to have a lifetime of increased risk of health problems), and for increased infant mortality. Since the target brownfield sites are in low-income neighborhoods with older houses, there are problems with lead-based paint, leading to an increased risk for neurological damage to resident children. Based on a combination of age of housing and data on patients' blood lead levels over the past several years, the Hamilton Co. Health Dept. determined that these East Chattanooga neighborhoods have the highest risk of elevated blood lead levels in Chattanooga. **The hazardous substances in the priority Brownfield sites pose an immediate risk to the East Chattanooga area and this grant's assessments will lead to the reduction of health threats posed by the environmental contamination of the East Chattanooga Brownfield sites.** The surrounding neighborhoods from the Old Shale Quarry site (MLK neighborhood & Onion Bottom) are in the 97th percentile for Superfund proximity. Also, the area has a 91% minority population and has an 83% Low-Income population (per EPA's Environmental Justice EJMapper). The surrounding neighborhoods from the 401 E. MLK Blvd. Dry Cleaner site (MLK/ Highland Park) are in the 96th percentile for Superfund proximity and 93rd percentile for Air Toxics Cancer Risk. Also, the area has a 94% minority population and has an 85% Low-Income population (per EPA's Environmental Justice EJMapper). The surrounding neighborhoods from the Old Ridgedale R.L. Stowe Mill site (Ridgedale, Oak Grove, Highland Park, East Lake) are in the 97th percentile for Superfund proximity and 95th percentile for Air Toxics Cancer Risk. Also, the area has a 93% minority population and has an 82% Low-Income population (per *EPA's Environmental Justice EJMapper*). The surrounding neighborhoods from the old Lucy Boiler site (Oak Grove, Highland Park) are in the 97th percentile for Superfund proximity and 95th percentile for Air Toxics Cancer Risk. Also, the area has a 60% minority population and has an 66% Low-Income population (per *EPA's Environmental Justice EJMapper*).

2) Greater than Normal Incidence of Disease and Adverse Health Conditions- Given the types of industrial activities that occurred at the priority and other brownfield sites in East Chattanooga, polychlorinated biphenyls (PCBs), chlorinated solvents, coal tars, polycyclic aromatic hydrocarbons (PAHs), heavy metals, and volatile organic compounds are present in and around the sites. These hazardous substances increase the incidence of disease and adverse health conditions in the East Chattanooga area. For instance, the National Toxicology Program has concluded that PCBs are likely to cause cancer in humans, based on studies that have found increased rates of various cancers in people exposed directly to high levels of PCBs, either via the skin, by consumption, or in the air. Per the *EPA Environmental Justice Mapper*, the priority area census tracts median indicators are in the 96th percentile for cancer risk, 94th percentile for air toxics respiratory hazards, 93rd percentile for lead paint indicators, and 99th percentile for Superfund site proximity, 96th percentile for Children under 5, 91st percentile for population over the age of 64. The *EPA EJ-Viewer* also shows that women of child-bearing age in these same census tracts (in the East Chattanooga Brownfield Priority Area) are at an elevated risk for low birth-weight infants (who go on to have a lifetime of increased risk of health problems), and for increased infant mortality. The City of Chattanooga has a 2% lead poisoning rate which is more than triple the national average of 0.61%. According to the State of Tennessee Department of Health, the incidence of cancer deaths and age-adjusted mortality rate is more than 30% higher in the priority area of East Chattanooga when compared to national averages, and 18% higher than state averages (TN Dept. of Health-Death Statistical System). The brownfields in these neighborhoods in East Chattanooga have an adverse impact to the entire population, but sensitive populations (such as the elderly, children, and pregnant women) are particularly susceptible to the health impacts caused by the environmental contaminants at these brownfield sites. This proposed EPA Assessment Grant project will begin to help to reverse the environmental problems of the Alton Park neighborhood, by assessing and

ultimately remediating the priority brownfield sites that are causing health and environmental detriments to East Chattanooga.

3) Disproportionately Impacted Populations-The census block groups that comprise the city's priority brownfield properties in East Chattanooga are all in the 95th-100th percentile nationally in the following categories: Superfund proximity, Minority population, Low-Income population, and having less than a high school education. The brownfields identified in this project add to the compounding negative effects these neighborhoods already suffer, as shown by the above-mentioned statistics. Not only are the subject properties contaminated and blighted, but also the surrounding neighborhoods suffer the economic consequences that vacant and contaminated properties bring. This project will begin to reverse the Environmental Justice that has disproportionately impacted East Chattanooga over the last century, by assessing and cleaning up sites with hazardous substances close to the East Chattanooga population centers. **For too long, the citizens of the East Chattanooga neighborhood have been disproportionality impacted by the environmental contamination and disinvestment from the industrial past of Chattanooga. This project will help to begin to lessen the disparate environmental and economic impacts to the East Chattanooga residents.** Due to the abundance of Brownfield sites that are located in East Chattanooga, these residents have faced a cumulative negative environmental impact. There are many impacts of this disinvestment, such as the fact that East Chattanooga is a food desert, due to the lack of fresh food choices for neighborhood residents. This disinvestment also has caused decreased property values and continued legacy environmental contamination. This assessment project will enable the residents to see the transformation that the city is intent on making in East Chattanooga and will help to continue the city's momentum towards addressing the Environmental Justice concerns to East Chattanooga residents. **Specifically, this assessment project will lead to the eventual cleanup of 36.98 acres of brownfield properties that are heavily impacted with hazardous substances, such as polycyclic aromatic hydrocarbons, polychlorinated biphenyls, lead, arsenic and many other various substances that are a danger to the health outcomes of the surrounding neighborhoods. The elimination of this hazardous health threat will begin to lessen the negative environmental conditions that have disproportionately impacted the health of citizens in East Chattanooga.**

b. Community Engagement

i. Project Involvement & ii. Project Roles

<u>Partner Name</u>	<u>Point of Contact (name, email, & phone)</u>	<u>Specific Role in the Project</u>
Chattanooga Brownfield Task Force (Subject Area Expert Partner)	Sam Saieed ssaieed@sedev.org 423-827-7825	The Chattanooga Brownfield task force exists to provide the city with citizen/ stakeholder input on development, monitoring, and updating of the city's Brownfield program which affect Low to Moderate Income residents in East Chattanooga
East Chattanooga Neighborhood Association (Community Group Partner)	Karen Clay kclay@chattanooga.gov 423-643-7306	The Neighborhood Associations of East Chattanooga (will be the meeting locations and public venues that the city will communicate project and redevelopment progress to the public.
Chattanooga-Hamilton County Regional Planning Agency (Comprehensive Planning and Redevelopment Partner)	John Bridger, jbridger@chattanooga.gov 423-643-5900	CHCRPA will provide comprehensive land use planning assistance as a part of this project, by working with city and property owners to facilitate any possible rezonings needed to facilitate redevelopment outcomes.
River City Company (Economic Development Partner)	Jim Williamson jwilliamson@rivercitycompany.com 423-664-4839	River City Company will provide economic development assistance as a part of this project, by working with city and property owners to assist with Opportunity Zone deals.

1) Chattanooga Brownfield-Community Task Force (Subject Area Expert Partner)- This Task Force is comprised of members of the City ECD staff, city residents who reside near city brownfield sites, staff members of the TN Department of Environment and Conservation, staff members of the Southeast Tennessee Development District (Regional Brownfield Planning entity), environmental engineering consultants, staff of the Hamilton County/ Chattanooga Health Department, brownfield property owners and concerned citizens. The Chattanooga Brownfield task force exists to provide the city with citizen/ stakeholder input on development, monitoring, and updating of the city's Brownfield program which affect Low to Moderate Income residents in East Chattanooga's Brownfield target areas. Chattanooga Brownfield Task Force Meeting occur on a quarterly basis. These meetings are currently being held remotely, due to COVID-19.

2) East Chattanooga Neighborhood Associations (Community Group Partner)-All potential brownfield environmental site assessments and potential brownfield redevelopment projects will continue to be presented at neighborhood meetings, in order to get neighborhood input. City ECD staff are assigned already to attend these meetings and the neighborhood

association are small-scale meetings that foster a dialogue between community members. This environment creates a great opportunity for residents to interact with city staff and other brownfield stakeholders. City ECD staff will also present the EPA Cleanup in My Communities website, in order to show the public how to access environmental site assessment results. Project information and successes will also be shared on the City's website. The meetings will be held outdoors and socially distanced but will also be streamed on the City's website and on public access television.

3) Chattanooga-Hamilton County Regional Planning Agency Meetings (Comprehensive Planning and Redevelopment Partner)

City ECD staff will present project progress at these meetings and will also be available to help the Planning Commission, with any brownfield redevelopment rezoning technical assistance for adaptive re-use projects.

4) River City Company- River City Company will provide economic development assistance as a part of this project, by working with city and property owners to assist with Opportunity Zone deals.

iii) Incorporating Community Input

City ECD staff will speak in public forums, actively seek input on site selection (for sites to be selected after the first four priority sites) and planning, and will be available via phone, email or in person to share and seek information. The city will still hold socially distant, in-person Neighborhood Association Meetings in the project area, as well as remote meetings on Zoom. Many of the area's elderly and low-income residents lack the necessary broadband, internet-compatible devices, and technological know-how to use Zoom or other platforms, due to the digital divide that affects low-income and elderly citizens. Therefore, to be fair to all, the city will have the option of remote and in-person, distanced public hearings.

Additionally, the city will also place public input comments, questions, and answers on the city's website. Over the course of the grant the city will complete: a community outreach and education plan, meeting materials and project update newsletters, presentations of the EPA Brownfield grant program to the public, potential developers, lending institutions, neighborhood and community groups, and other affected parties. The city will also prepare brochures and other printed materials in order to encourage community involvement and private investment. Also, the city's Department of Economic and Community Development has staff fluent in Spanish, since 6.7% of residents in the project census tracts are Spanish speakers as their first language. These staff members will be on hand for all public meetings, in order to translate the meetings for the Spanish-speaking residents.

3. TASK DESCRIPTIONS, COST ESTIMATES, AND MEASURING PROGRESS

a. Description of Tasks and Activities

<u>Task 1: Inventory of Additional Sites/ Community Outreach:</u>
<u>i) Project Implementation:</u> The City of Chattanooga will facilitate the identification, selection, and ranking of brownfields sites (in order to identify sites after the priority sites are assessed). For each site, the city will document current and historic land use/zoning, research federal, state, and local databases, conduct public hearings and meetings, and generate a Geographic Information System (GIS) database that includes site maps. With deference to public input, the city will work with its Brownfields Advisory Committee to prioritize sites for Phase I & Phase II Assessment, beyond the 4 priority sites already identified. This task will also include community outreach efforts. These efforts will include holding at least 12 public meetings during the three-year contract time period. For identified sites, expenditures would cover only eligible programmatic activities such as: the completion of a community outreach and education plan, the preparation of meeting materials and project update newsletters, the set-up and public notice of Brownfield public meetings, the presentation of the EPA Brownfield grant program to the public, potential developers, lending institutions, neighborhood and community groups, and other stakeholders.
<u>ii) Anticipated Project Schedule:</u> Quarters 1-12: Community Outreach Conducted; October 2021 until the project completion (September 2024)
<u>iii) Task Lead:</u> City of Chattanooga-Department of Economic and Community Development
<u>iv) Outputs:</u> 1 Brownfield Inventory; Attending 24 community meetings; Having at least 4 meeting presentations and making flyers available on the city ECD website and at each meeting.
<u>Task/Activity 2: EPA Cooperative Agreement Reporting</u>
<u>i. Project Implementation</u> <u>EPA-funded:</u> This task includes all EPA Cooperative Agreement Compliance Reporting, which includes completing 12 Quarterly Reports, 1 MBE-WBE Reporting, 12 ACRES Reporting Periods, Community Engagement Plan, 1 Final Report and 1 Closeout Documentation. This Program Development and Management activity will be overseen by the City of Chattanooga. <u>Non-EPA Funded:</u> No activities
<u>ii. Anticipated Project Schedule:</u> Quarters 1-12: October 2021 until Project Completion (September 2024)
<u>iii. Task/Activity Lead(s):</u> City of Chattanooga-Department of Economic and Community Development

<u>iv. Output(s):</u> 12 Quarterly Reports, 1 MBE-WBE Reporting, 12 ACRES Reporting Periods, Community Engagement Plan, 1 Final Report and 1 Closeout Documentation.
<u>Task 3-Phase I and Phase II Assessments</u>
<u>i) Project Implementation:</u> The City of Chattanooga will use the services of an environmental engineering firm to conduct a minimum of 4 Phase I Site Assessments and 4 Phase II Assessments. All phase I ESA's will be conducted to meet the All Appropriate Inquiries requirement, as well the ASTM E 1527-13 standards. These costs were based on previous experience by a procured contractor working with brownfields in the area. All Phase II site Assessments will be conducted in accordance with an EPA approved Quality Assurance Project Plan. The cost of Phase I Assessments will vary according to size and number of sites and the cost of Phase II assessments vary as to size, number of sites, and extent of site contamination; the project budgeting may be adjusted depending on sites selected. In order to gain bona fide prospective purchaser status for potential buyers, all Phase I's will be prepared in conformance with ASTM E1527-13. All Phase II's will be conducted in accordance with ASTM E1903-19.
<u>ii) Anticipated Project Schedule:</u> <u>Quarter 1:</u> Selection of Qualified Environmental Contractor (QEC), Generic Quality Assurance Project Plan (QAPP) submitted to EPA for review/ approval (by selected QEC); <u>Quarter 2:</u> Eligibility Determinations requested & site access obtained/confirmed (by Coalition); Phase I ESAs begin; <u>Quarter 3:</u> QAPP approval & Phase II ESAs begin (QAPP approved by EPA, Phase II ESAs by QEC); <u>Quarter 11:</u> All Phase I and II ESAs completed, and final contractor invoices received (by QEC)
<u>iii) Task Lead:</u> Selected Qualified Environmental Contractor (QEC)
<u>iv) Outputs:</u> Quality Assurance Project Plan; <u>Success Measure:</u> QAPP approval within one month of Cooperative Agreement approval <u>Outputs:</u> Phase I and Phase II ESAs; <u>Success Measure:</u> # of ESAs performed <u>Outputs:</u> ABCAs and RAPs; <u>Success Measure:</u> # of ABCAs and RAPs completed
<u>Task/Activity 4: Brownfield Training Conferences</u>
<u>i. Project Implementation</u> <u>EPA-funded:</u> City ECD staff members will attend one EPA National Brownfields Conference and two regional Brownfield Conferences to present information regarding the Cleanup Project and to learn from other Brownfield practitioners regarding Brownfield strategies cleanup and reuse best practices. <u>Non-EPA funded:</u> No activities.
<u>ii. Anticipated Project Schedule:</u> Conferences tentatively scheduled for (October 2021, October 2022, April 2023).
<u>iii. Task/Activity Lead(s):</u> City of Chattanooga-Department of Economic and Community Development
<u>iv. Output(s):</u> Two City of Chattanooga ECD staff will attend three brownfields-related training conferences

b. Cost Estimates and Outputs

Budget Categories (programmatic costs only)	Project Tasks				
	<i>Task 1- Inventory of Sites/ Community Outreach</i>	<i>Task 2-Cooperative Agreement and Program Management</i>	<i>Task 3 -Phase I and Phase II Environmental Assessments</i>	<i>Task 4- Brownfield Conferences</i>	<i>Total</i>
Personnel	\$0	\$5,000	\$0	\$0	\$5,000
Fringe Benefits	\$0	\$0	\$0	\$0	\$0
Travel	\$0	\$0	\$0	\$6,000	\$6,000
Equipment	\$0	\$0	\$0	\$0	\$0
Supplies	\$0	\$0	\$0	\$0	\$0
Contractual	\$10,000	\$20,000	\$259,000	\$0	\$289,000
Total Direct Costs	\$10,000	\$25,000	\$259,000	\$6,000	\$300,000
Total Indirect Costs	\$0	\$0	\$0	\$0	\$0
Total Budget	\$10,000	\$25,000	\$259,000	\$6,000	\$300,000

Task 1-Community Outreach-\$10,000 total-these cost estimates were based on similar and past projects that the City of Chattanooga has undertaken.

- **Contractual**- costs include \$10,000 (200 staff hours×\$50/hour) (\$50/hour is weighted average rate for engineering firm and SETDD (City's Brownfield Grant Management Consultant) cost per hour) for an environmental engineering firm and SETDD for Community Outreach and Inventory Activities

Task 2-Program Development and Program Management-\$25,000 total- these cost estimates were based on similar and past projects that the City of Chattanooga has undertaken.

- **Personnel Costs**- costs include \$5,000 (100 staff hours×\$50/hour) for city staff time related to Program Management and Development. This grant will require 10% of City's Brownfield Coordinator's Staff Time.

- **Contractual-** costs include \$20,000 (400 staff hours×\$50/hour) for an environmental engineering firm and SETDD for Program Development and Management.

Task 3 –Phase I and Phase II Environmental Site Assessments-\$236,000 total these cost estimates were based on similar and past projects that Qualified Environmental Consultations have performed on behalf of the City of Chattanooga.

- **Contractual-** cost include 12 projected Phase I ESAs at an average of \$8,250 (12×\$8,250=\$99,000) and 8 projected Phase II ESAs at average of \$33,200 (8×\$20,000=\$160,000). Total Line Item cost is \$259,000.

Task 4-Brownfield Conference-\$6,000 total

- **Travel-**Total Travel costs-\$6,000, which include inter-city travel (\$3,000) and travel to National Brownfields Conference (2 staff members x \$3,000 per person=\$6,000) Travel=\$2,000 for registration and fees, a \$800 airplane ticket for the national conference (location TBD) and \$200/night for hotel for 5 days (both conferences combined) = \$6,000 total.

c. Measuring Environmental Results

The grant manager will continuously review grant progress to ensure that important projects milestones and outputs are on track for completion. By using ACRES and tracking measures, project progress will be tracked. Corrective measures will be taken immediately to correct any measures and metrics which are not being met. The project lead will initiate monthly project progress meetings with the City ECD team and its external Qualified Environmental Contractors working on the project. The city will track, measure, and evaluate projects progress in achieving desired outcomes as follows:

<u>Task 1: Inventory of Sites and Community Outreach</u>
<u>Output(s):</u> 1 Final Inventory of Phase I and Phase II Sites for Grant; 12 community meetings; meeting presentations and flyers available on the community outreach website and at each meeting <u>Outcomes:</u> List of brownfield sites with highest redevelopment potential and informed, engaged community <u>Tracking Methods:</u> Excel Documents for Inventory, sign-in sheets
<u>Task 2-Cooperative Agreement and Program Management</u>
<u>Output(s):</u> 12 Quarterly Reports, 1 MBE-WBE Reporting, 12 ACRES Reporting Periods, Community Engagement Plan, 1 Final Report and 1 Closeout Documentation. <u>Outcomes:</u> Successful Grant Compliance <u>Tracking Methods:</u> Evaluate Progress against Work Plan, in order to assure progress is being made and project kept on schedule
<u>Task 3: Phase I and Phase II Environmental Assessments</u>
<u>Outputs:</u> 12 Phase I ESA's, 8 Phase II ESA's and ACRES reporting <u>Outcomes:</u> Phase I and Phase II ESA's that will characterize Brownfield sites' environmental history and environmental contamination <u>Tracking Methods:</u> City will track Phase I and Phase II progress from Engineering Consultant; city will provide copy of deliverable to EPA; grant administration tasks tracked on internal report
<u>Task/Activity 4: Brownfield Training Conferences</u>
<u>Outputs:</u> Two City ECD staff will attend three brownfields-related training conferences <u>Outcomes:</u> City ECD staff attains professional development and presents project at Brownfield Conferences <u>Tracking Methods:</u> Annual professional development budget expenditures

4. PROGRAMMATIC CAPABILITY AND PAST PERFORMANCE

a. Programmatic Capability

i. Organizational Structure- A highly competent and experienced staff is in place at the City of Chattanooga to implement and manage the proposed project. In addition, the project team includes a contract programmatic lead (Mr. Sam Saieed-SE TN Development District) and an environmental engineering consultant. Both consultants will be selected by a competitive procurement process. There are 3 key individuals employed by the city to provide the expertise necessary for the implementation and management of all grant functions and activities.

Ms. Dwan Austin, City of Chattanooga Brownfield Coordinator: Ms. Austin has over 25 years' experience in project and program development and implementation. Ms. Austin will serve as technical advisor to the Project Lead.

Mr. Richard Beeland, City of Chattanooga-Assistant Director of Economic and Community Development: Mr. Beeland has 20 years' experience in program and project development and implementation and agency management. Mr. Beeland will provide management and oversight to the project, by working with Mr. Sam Saieed (Contract Project Programmatic lead) and the engineering consultant on tracking project programmatic and budgetary outcomes.

Ms. Donna Williams, City of Chattanooga-Director of Economic and Community Development: Ms. Williams has 30 years' experience in financial management with 19 of those being in local, state and federal government grant management. Ms. Williams will provide financial management oversight to the project and will handle coordination between the Department and the City Mayor/ City Council.

ii. Acquiring Additional Resources-The City of Chattanooga has procured a Brownfield Programmatic Consultant (Southeast Tennessee Development District) and a Qualified Environmental Engineering Consultant, using a competitive bid process as set out by EPA and the city's procurement guidelines. The procurement process includes a Request for Qualifications published in the local newspaper and on the Purchasing Department's website, a thorough panel review of all submitted qualifications packets, candidate firm interviews if appropriate, and subsequent contract negotiations.

b. Past Performance and Accomplishments

i. Has Previously Received an EPA Brownfield Grant

1. Accomplishments- The City of Chattanooga has received previous EPA Brownfield Grants. Specifically, the city's 2010 Petroleum Assessment Grant had the following outputs: 8 Phase I Assessments, 2 Phase II Assessments, 8 Community Outreach Activities, and a satisfactory grant compliance record. The City's 2010 Cleanup Grant had the following outputs: cleanup of two brownfield sites (Old 36th Street Landfill and TN Ave./ Railroad Overpass Property), 12 Community Outreach Activities and a satisfactory grant compliance record. The city's 2008 Cleanup Grant had the following outputs: cleanup of one brownfield site (Old Chattanooga Glass Company), 12 Community Outreach Activities and a satisfactory grant compliance record. All of these accomplishments are reflected in the EPA's ACRES database.

2. Compliance with Grant Requirements- The City of Chattanooga has complied with all workplans, schedules, and terms/conditions on all of their previous closed-out EPA Brownfield Grants. The city has one EPA 2017 Cleanup Grant that is currently open and no assessment grants currently open. The city has submitted all quarterly reports and other required reports in a timely manner. The city is on track to successfully complete this cleanup grant in a timely manner, while following all EPA rules and regulations. The grant period for the active cleanup grant is October 1, 2017 until September 30, 2021. The city is currently tracking the progress of the grant and have submitted all required materials in a timely manner.

THRESHOLD CRITERIA

- 1) Applicant Eligibility:** The City of Chattanooga is an eligible grant applicant as a City per US EPA guidelines.
 - 2) Community Involvement:** Section 2 of the grant narrative (Community Need and Community Engagement) fully demonstrates the City of Chattanooga's plan for Community Involvement as a vital part of the project. The City of Chattanooga will inform and involve the community and other stakeholders during the planning, implementation and other brownfield assessment activities.
 - 3) Expenditure of Assessment Grant Funds:** The City of Chattanooga does not have any active EPA Brownfield Assessment Grants and are therefore not a current EPA Brownfield Assessment Grant recipient.
- **This grant proposal is a Community-Wide Assessment Grant and not a Site-Specific grant proposal. So, the Site-Specific Questions are not applicable to this grant proposal.**

Application for Federal Assistance SF-424

* 1. Type of Submission:

- ☐ Preapplication
☒ Application
☐ Changed/Corrected Application

* 2. Type of Application:

- ☒ New
☐ Continuation
☐ Revision

* If Revision, select appropriate letter(s):

* Other (Specify):

* 3. Date Received:

10/27/2020

4. Applicant Identifier:

5a. Federal Entity Identifier:

5b. Federal Award Identifier:

State Use Only:

6. Date Received by State:

7. State Application Identifier:

Choose State...

8. APPLICANT INFORMATION:

* a. Legal Name:

City of Chattanooga

* b. Employer/Taxpayer Identification Number (EIN/TIN):

62-6000259

* c. Organizational DUNS:

0431123410000

d. Address:

* Street1:

101 East 11th Street, Suite 200

Street2:

* City:

Chattanooga

County/Parish:

Hamilton County

* State:

TN: Tennessee

Province:

* Country:

USA: UNITED STATES

* Zip / Postal Code:

374024281

e. Organizational Unit:

Department Name:

Econ & Comm. Dev. Dept.

Division Name:

Econ & Comm. Dev. Dept.

f. Name and contact information of person to be contacted on matters involving this application:

Prefix:

Mr.

* First Name:

Sam

Middle Name:

* Last Name:

Saieed

Suffix:

Title:

Contract Grant Writer-SETDD

Organizational Affiliation:

City of Chattanooga

* Telephone Number:

4234244269

Fax Number:

4232677705

* Email:

ssaieed@sedev.org

Application for Federal Assistance SF-424

* 9. Type of Applicant 1: Select Applicant Type:

C: City or Township Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

* 10. Name of Federal Agency:

Environmental Protection Agency

11. Catalog of Federal Domestic Assistance Number:

66.818

CFDA Title:

Brownfields Assessment and Cleanup Cooperative Agreements

* 12. Funding Opportunity Number:

EPA-OLEM-OBLR-20-06

* Title:

FY21 GUIDELINES FOR BROWNFIELD ASSESSMENT GRANTS

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

Add Attachment

Delete Attachment

View Attachment

* 15. Descriptive Title of Applicant's Project:

City of Chattanooga-EPA Brownfield Community-Wide Assessment Grant

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

Application for Federal Assistance SF-424**16. Congressional Districts Of:*** a. Applicant * b. Program/Project

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment

Delete Attachment

View Attachment

17. Proposed Project:* a. Start Date: * b. End Date: **18. Estimated Funding (\$):**

* a. Federal	<input type="text" value="300,000.00"/>
* b. Applicant	<input type="text" value="0.00"/>
* c. State	<input type="text" value="0.00"/>
* d. Local	<input type="text" value="0.00"/>
* e. Other	<input type="text" value="0.00"/>
* f. Program Income	<input type="text" value="0.00"/>
* g. TOTAL	<input type="text" value="300,000.00"/>

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

- ☐ a. This application was made available to the State under the Executive Order 12372 Process for review on .
- ☐ b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- ☒ c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**☐ Yes ☒ No

If "Yes", provide explanation and attach

Add Attachment

Delete Attachment

View Attachment

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

☒ ** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: * First Name:

Middle Name:

* Last Name:

Suffix:

* Title: * Telephone Number: Fax Number: * Email: * Signature of Authorized Representative: * Date Signed: